

MISSOURI DEPARTMENT OF NATURAL RESOURCES MISSOURI OIL AND GAS COUNCIL

DEC 15 2003

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK MO Oil & Gas Council

	OPERATOR						DAT		
	Os	sborn Energy, L.	L.C.					4 December	
ADDRESS 2485	0 Farley		CITY	us			STA	Kansas	66013
DESCRIPTION	OF WELL AN	ID LEASE	WELL NUMBER				FLE	VATION (GROUND)	
NAME OF LEASE Yahnig				-9-43-31				853	
WELL LOCATION			(GIVE FOOTAGE	FROM SECTION LIN	E}				
	33	FT. FROM(N)	(S) SECTION LINE	2310		T FROM		TION LINE	
WELL LOCATION		ECTION	TOWNSHIP		ANGE		CO	Cass	
NW-NW-NE		9	43N		31W			<u> </u>	
VEAREST DISTANC	E FROM PROPO	SED LOCATION TO P	ROPERTY OR LEASE	LINE 660			EET	MELEASE N	one FEE
DISTANCE FROM PE	ROPOSED LOCA	TION TO NEAREST D	ME AND ADDRESS	P	OTARY	OR CABLE	OOLS APP	ROX. DATE WORK W	
600'	13	RILLING CONTRACTOR NA Susie Glaze dba G 22139 S. Victory R	Blaze Drilling, Co. d. Spg. Hill. KS 66	5083	R	otary		11 December	2003
NUMBER OF ACRES IN LE	EASE N	IUMBER OF WELLS OF	LEASE INCLUDING	THIS WELL, CO	OMPLE	TED IN C	R DRILLIN	G TO THIS RESI	ERVOIR1
Part of a 3400		UMBER OF ABANDON							
F LEASE PURCHAS	ED WITH ONE C	A MORE WELLS DRIL	LED, FROM WHOM P	URCHASED?			NC	OF WELLS: PF	
NAME New lea	ase from land	owner						1	INJECTION INACTIVE
ADDRESS								ΔR	BANDONED 0
		T) 011101 5 11/511			V 0	I VNKE.	BOND		X ON FILE
STATUS OF E	BOND	SINGLE WELL AMOUNT \$					\$ 30,00	0	ATTACHED
PROPOSED CASI	NO DROGRAM								
	NG PROGRAM				CASI				ATE GEOLOGIST
AMOUNT	SIZE	WT/FT	CEM.	APPROVED (CASI	NG — TO		ED IN BY STA	CEM.
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	SIZE	WT/FT		AMOUNT	CASIN				CEM.
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MISSOURI DEPARTMENT OF NATURAL RESOURCES MISSOURI OIL AND GAS COUNCIL

WELL LOCATION PLAT

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LEASE NAME V	-1101	3/1			COL	Ca.	55		,
330 FEET FROM N SECTI	ON LINE AND	2310 FE	ET FROM	E SECTIO	N LINE OF SI		, TWP _4	3N , RANGE	31W
(N)-(S)				(E)-(W)			<u> </u>		V. H. J.
			T	1114	AI	- 141			T
N	North	Sect.	Line	/ NVV	or N	77		~	NE cor. NE/4
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SCALE									
REMARKS Location +	- L - '' a		- 1"		CPC	L	11.	Palla	
w/ the MDN	Ran	or a	bout	in W/		by.	/VIF.	larne	
Landowner: Davi	d+Ma	V	hnig,	324185	So Mai	n City,	Drex	el, MO	64734
INSTRUC	TIONS		,	This is to Cer and gas well	ls in accon	dance with	10 CSR		
On the above plat, show distance of nearest section lines, the nearest lead on the same lease completed in or not confuse survey lines with lease for survey requirements. Lease lines	ase line, and drilling to th lines. See re	from the ne e same res ule 10 CSR	arest well ervoir. Do	results are co	orrectly show	vn on the ab	ove plat.	(8)	EAL)
REMIT TWO (2) MISSOURI OIL ANI P.O. BOX 250, RO	GAS COU	NCIL		REGISTERED LA	and Survey	OR .		NUMBER	



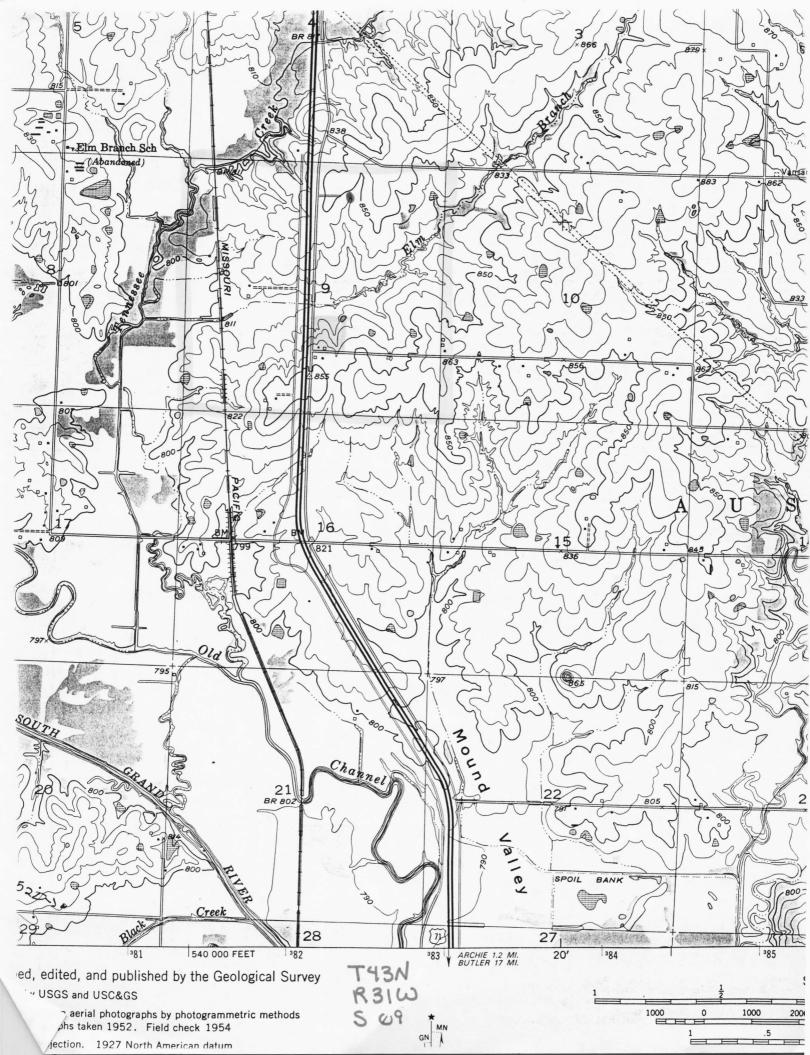
MISSOURI DEPARTMENT OF NATURAL RESOURCES MISSOURI OIL AND GAS COUNCIL

MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

RECEIVE FORM OGC-4

DEC 15 2003

OWNER			MO Oil 8	Gaqoge #20741)
Osborn Energy, LLC				× (100 + 20741)
LEASE NAME	2.24)		Cass	
Yahnig (Well #2-9-4 330 FEET FROM N SECT (N) - (S)	ION LINE AND 2310 FEET FR	ROM E SECTION LIN		2 43 N. HANGE 31 W
N	North Sect. Line	NW cor. of	F NE/4 2310'	NE cor. of NE/4
Nearest	lease or boundry line, 330	D. Loca	ation of well	East Sect. Line
		Center of	Section	SE cor. of NE/4
SCALE 1" = 990'				
	Scale: 1 square across	= 660'		
	with GPS by Mr. Matthew Mary Yahnig, 32418 So. M			(12-9-2003) Il Resources
On the above plat, show distantwo nearest section lines, the nearest well on the same lease same reservoir. Do not confuse rule 10 CSR 50-2.030 for survey be marked.	nearest lease line, and from e completed in or drilling to survey lines with lease lines	m the locate oil and ga m the that the results a to the s. See	fy that I have execut is wells in accordance ire correctly shown or	ed a survey to accurately with 10 CSR 50-2.030 and the above plat.
MISSOURI OIL A	2) COPIES TO: ND GAS COUNCIL ROLLA, MO 65401	REGISTERED LAND SU	RVEYOR	NUMBER





MISSOURI DEPARTMENT OF NATURAL RESOURCES MISSOURI OIL AND GAS COUNCIL APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

OSBOTH Energy, L.L.C. ADDRESS 24850 Farley DESCRIPTION OF WELL AND LEASE NAME OF LEASE WELL NUMBER Yahnig WELL COATION SECTION LINE 1980 FEET FROM GIVE FOOTAGE FROM SECTION LINE COUNTY C-NW-NE 9 43N 31W Cass NONE DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE GEO DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING. COMPLETED OR APPLIED — FOR WELL ON THE SAME LEASE NONE PROPOSED DEPTH FROM GOV 22139 S. VICTORY Rd. Spg. Hill. KS 66083 NUMBER OF WELLS ON LEASE. INCLUDING THIS WELL. COMPLETED IN OR DRILLING TO THIS RESERVOIR IF LEASE PURCHASED WITH ONE OR MORE WELLS ON LEASE. INCLUDING THIS WELL. COMPLETED IN OR DRILLING TO THIS RESERVOIR IF LEASE PURCHASED WITH ONE OR MORE WELLS ON LEASE. INCLUDING THIS WELL. COMPLETED IN OR DRILLING TO THIS RESERVOIR ADDRESS STATUS OF BOND SINGLE WELL AMOUNT S SINGLE WELL AMOUNT S ABANDONED PROPOSED CASING PROGRAM APPROVED CASING — TO BE FILLED IN BY STATE GEOLOGIST CEM. AMOUNT SIZE WITH CEM. AMOUNT SIZE WITH CEM. AMOUNT SIZE WITH CEM.	APPLICATION TO DRI	ILL DEEPEN	I PLUG	BACK		FOR AN OIL		OR GAS WELL
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20' 8 5/8" 28 00 20 to surface								
800 3.02 13.50 177.33	500	15.50			-			
I, the undersigned, state that I am the Mgn. of Drilling Operations/Geologist of the Osborn Energy, L.L.C.	I the undersigned, state th	at I am the Mgn.	of Drilling Operation	ons/Geologist		f the Osbo	om Energy, L.L	.C.
(company), and that I am authorized by said company to make this report, and that this report was prepared under my supervisi	(company) and that I am (authorized by said co	moany to make	this report, a	nd tha	t this report	was prepared un	nder my supervisio
and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.	(Company), and that the	foote stated therein a	ra true correct a	and complete	to the	e best of my	knowledge.	
- 111 north 12 1414		111	,				DATE /7	lulas
Tex K. Tonog	Jen K.	Schlod					14/	7/03
PERMIT NUMBER DRILLER'S LOG REQUIRED E-LOGS REQUIRED IF RUN	PERMIT NUMBER	2 187111		ALL DESCRIPTION OF THE PROPERTY OF THE PROPERT				
20741 ☐ CORE ANALYSIS REQUIRED IF RUN ☐ DRILL STEM TEST INFO. REQUIRED IF RU		60191	-		RED IP	RUN M D	RILL STEM TEST IN	IFO. REQUIRED IF RU
A 12 - 6 - 03 SAMPLES REQUIRED	APPROVAL DATE	112-6-03	1 -		• :-			
SAMPLES NOT REQUIRED	the state of the s	110-3-03						
WATER SAMPLES REQUIRED AT	limit of	MICLAUSE	WATER	SAMPLES REQU	JIRED A	AT		
NOTE THIS PERMIT OF TRANSFERABLE O ANY OTHER PERSON OR TO ANY OTHER LOCATION	MOVE NEW DEC NY	T TRANSFERADI DE CAN	Y OTHER PERSON	OR TO ANY OTH	ER LO	CATION		
APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSE WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE.	APPROVAL OF THIS PERMIT BY	Y THE OIL AND GAS CO	UNCIL DOES NOT	CONSTITUTE E	NDORS	EMENT OF TH	E GEOLOGIC MER	ITS OF THE PROPOSI
			of the	wage of this	well	Council and	proval of this pe	_ Company confir
on this form by presence of a permit number and signature of authorized council representative.	on this form by presence of	of a permit number ar	nd signature of a	wher or this uthorized cou	ncil r	epresentative	3 .	
DATE DATE DATE OPHILLER'S SIGNATURE DATE	DHILLER 2 SIGNATURE							

Coss Assku 037-2074/ SESE NW NW NW NE

Prht +

Geological Report

43 31 09 002

Yahnig #2-9-43-31

2310' FEL, 300' FNL (N38° 36.634', W94° 20.999') → from our GPS unit € C € I V € I

Section 9-T43N-R31W

Cass Co., Missouri

OGS #20741

FEB 15 2008

Elevation: 853 GL (est. form Topo. Map)

Drilling Contractor: Susie Glaze, dba Glaze Drilling Co.

Mo Oil & Gas Council

Spud: 12/9/2003

Surface: 11 1/4" bore hole, set 20' of 8 5/8" csg. cmt'd with 6 sx

Production bore hole: 7 7/8"

Rotary Total Depth: 486'on 12/18/03 (Waited on weather to finish well)

Drilling fluid: Air & Mist E-Log Total Depth: None run Production Csg.: None, D&A

Formation	Driller Log Tops	Datum
Stark Shale	Eroded away	
Hushpuckney Shale	Eroded away	
Base Kansas City	Eroded away	
"Upper" Knobtown Sand	Eroded away	
"Middle" Knobtown Sand	Eroded away	
"Lower" Knobtown Sand	Eroded away	
Carbonaceous Zone in Tacket Fm.	Eroded away	
"Big Lake" Sand	Eroded away	
South Mound Zone	Eroded away	
Hepler (Wayside) Sand	Absent	
"Upper" Mulberry Zone	Absent	
Mulberry Zone	60	793
Weiser Sand	No Call	
Myrick Station	90	763
Anna Shale (Lexington Coal Zone)	95	758
Peru Sand	No Call	
Summit Shale Zone	132	721
Mulky Coal/Shale Zone	150	703
"Upper" Squirrel Sand	Absent	
"Middle" Squirrel Sand	187	666
"Lower" Squirrel Sand Zone	Absent	
Bevier Zone	No Call	
Verdigris (Ardmore)	No Call	
Croweburg Zone	No Call	
Mineral Coal Zone	264	589
Scammon Coal Zone	305	548
Tebo Coal Zone	Absent	

Formation	Driller Log Tops	Datum 523 RECEIVED	
Bartlesville "A" Sand Zone	330	323	
Bartlesville "B" Sand	Poorly Dev	FEB 15 2008	
Dry Wood Coal	Absent		
Rowe Coal	Absent	Cos Counc	
Neutral Coal(s)	Absent	No Oil & Gas Counc	
"E" (?) Sand	391	462	
"F" (?G) Sand	410	443	
Riverton Coal	No Call		
Mississippian	474	379	
Rotary Total Depth	486	367	
E-Log Total Depth	None Run		

Major Zones of Interest (Depths based Driller's Log measurements.)

Note: Some basic abbreviations used in the following report.

T = Total gas readings in units

BG = Background gas in units

CH = Chromatograph readings in units

CG = Connection gas in units

GT = Open flow gas test

TGA = Total Gas Analyzer

** Set up gas detector and equipment. "Zeroed" TGA & CH, attenuators set on x4. T = 55.2 & CH = 59.6

40' BG, T = 52 & CH = 51.2 (units still settling down from "re-zeroing")

50' BG, T = 50.4 & CH = 44.0

60' BG, T = 50.0 & CH = 40.1

Mulberry Coal Zone, 60-61. Shale, black, gritty textured in most, very carbonaceous in part, trace "coaly shale", both pyritic in part, neither contained shows of free gas. No increase in gas units.

** 60' GT, no open flow, driller reported "some water", "just damp"

67' BG, T = 48.8 & CH = 32.8

70' BG, T = 48.4 & CH = 32.4

75' BG, T = 48.4 & CH = 31.2

80' BG, T = 48.0 & CH = 30.9

84' BG, T = 47.6 & CH = 28.4

89' BG, T = 48.0 & CH = 28.4

92' BG, T = 47.6 & CH = 26.8

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Myrick Station Limestone. 90-95. Limestone, dark tans to dark browns, very fine to coarse crystalline, trace dolomitic, very poor intercrystalline porosity, poor crystalline porosity where dolomitic, argillaceous and fossiliferous, no odor, no fluorescence, questionable stain, no other shows, and no increase in gas units.

Anna Shale (Lexington Coal Zone), 95-96. Shale, black, blocky to angular cuttings, trace pyritic, and contained no shows of free gas. Shale, gray, gritty textured, abundant carbonaceous fragments, no shows of free gas were found. Driller recorded only one foot, believe closer to 2.5 +/- feet, but rather poorly developed. No increase in gas units. Cannot recommend further testing.

100' BG, T = 47.6 & CH = 25.2

** 100' GT, no open flow and "slight" increase in water.

<u>"Peru" Sand.</u> No call regarding top or thickness. Sample bag 100-110 contained: Sandstone, light grayish green, very fine to fine grain, angular, poorly sorted, well to very well consolidated, firm, poor to very poor intergranular porosity, few sand clusters very thinly laminated with carbonaceous material, no hydrocarbon shows were found and no increase in gas units. Estimated sand thickness to be no more than 4 +/- feet.

106' BG, T = 48.0 & CH = 20.0

111' BG, T = 47.2 & CH = 19.6

120' BG, T = 47.2 & CH = 18.8

123' BG, T = 46.8 & CH = 18.0

130' BG, T = 46.4 & CH = 17.2

Summit Shale Zone. 132-133. Shale, black, platy to blocky with trace angular cuttings, pyritic, no apparent shows of free gas, and only a 1.6 gas unit increase over background. Driller noted only one foot, but believe zone to be closer to 3 +/- feet thick. Zone does not merit further testing.

135' BG, T = 48.0 & CH = 17.6

140' BG, T = 47.2 & CH = 17.2

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** 140' GT, no open flow, "had another increase in water".

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150' BG, T = 47.2 & CH = 16.0

Mulky Shale/ Coal Zone. 150-152. Shale, black, mostly angular cuttings, trace platy, no shows of free gas. Coal and "coaly shale", pyritic in part, a good percentage of the coal were "floaters", no shows of free gas were observed, had an increase of 2.40 units over background. Including the coal and coaly shale, believe the Mulky to be closer to 4 +/- feet thick. Based on the lack of gas shows from the cuttings, no significant increase in gas units, no open flow, and no increase in water, this zone does not merit further testing.

158', CH auto cycled and read 22.4 units of methane gas only.

159' BG,
$$T = 47.6 \& CH = 16.0$$

** 160' GT, no open flow and no increase in water.

"Upper" Squirrel Sand Zone. Not developed, only a very-very light / pale green siltstone is present, micaceous and pyritic in part.

180' BG,
$$T = 47.6 \& CH = 13.6$$

"Middle" Squirrel Sand. 187-195. Sandstone, very-very light gray, very fine to fine grain, poorly sorted, well consolidated, firm trace semi-firm, poor intergranular porosity, trace carbonaceous fragments in some sand clusters, trace micaceous, no shows. Sand becomes fine to medium grain and a little "salt and pepper" with depth. No increase in gas units.

** 200' GT, no open flow and no increase in water.

210' BG, T = 47.2 & CH = 12.8

215' BG, T = 48.0 & CH = 13.2

220' BG, T = 48.0 & CH = 12.8

230' BG, T = 47.2 & CH = 14.0

235' BG, T = 47.6 & CH = 14.8

240' BG, T = 17.6 & CH = 14.4

** 240', shut down for the day, 12/15/03.

 $\underline{12/18/03}$. Check gas sample line, re-zeroed gas detector, started drilling ahead at 9:58 A.M. BG, T = 42.4 & CH = 40.4

"Lower" Squirrel Sand Zone. Not developed.

<u>Bevier Coal Zone.</u> No Call. Sample bag 240-250 contained traces of coal, "coaly shale", and light gray gritty textured shale with carbonaceous fragments, no shows of gas were observed.

246' BG, T = 42.0 & CH = 38.4

249' BG, T = 43.6 & CH = 36.8

250' BG, T = 43.6 & CH = 35.6

"Upper" Cattleman Sand. 250-256. Sandstone, white with very light green tint, very fine to fine grain, poorly sorted, well consolidated, firm, poor porosity, silty to shaly, rather poorly developed, no show, and no increase in gas units.

260' BG, T = 42.4 & CH = 29.6

** 260' GT, no open flow and no increase in water.

Mineral Coal Zone. 264-273. Shale, very dark gray to black, mostly blocky cuttings, pyritic, trace black with carbonaceous material towards base, no shows of free gas, very slight increase in gas units, 5.2, believe from the carbonaceous area. Does not merit further testing.

266' BG, T = 38.8 & CH = 30.4

267' BG, T = 44.0 & CH = 30.0

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270' BG, T = 40.8 & CH = 29.6

274' BG, T = 41.6 & CH = 27.6

280' BG, T = 40.4 & CH = 24.8

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** 280' GT, no open flow and no increase in water.

281' BG, T = 38.4 & CH = 15.2

290' BG, T = 37.6 & CH = 12.0

"Middle" Cattleman Sand. 291-296. Sandstone, white with very light grayish-green tint, has sort of a "salt and pepper" appearance in part, silt size to fine grain, angular, poorly sorted, moderately well to well consolidated, friable to firm, poor intergranular porosity for the most part, silty to shaly in part, no shows, and no increase in gas units.

** 300', CH had slowly decreased to 2.4, so re-set to read 52. T was down to 35.2 so reset it to read 48.0. Both bounced back and forth a few units while stabilizing. The Driller increased the size of the drilling pit and worked on "mist" pump during this time.

303' BG, T = 47.6 & CH = 49.6

<u>Scammon Coal Zone. 305-308.</u> Shale, very dark gray, black, mostly angular cuttings, pyritic in part, contained no show. Coal and "coaly shale", pyritic in part, half-a-dozen or so were "floaters", very-very weak, scattered shows of free gas. Had a slight increase of 6.0 units of gas.

307' BG, T = 48.4 & CH = 48.4

310' BG, T = 49.6 & CH = 48.4

312' BG, T = 52.0 & CH = 48.4

313' CH auto cycled and read 67.2 or an increase of 18.8 units of methane only over BG.

314' BG, T = 55.6

320' BG, T = 52.0 & CH = 48.0

** 320' GT, no open flow and no increase in water.

324' BG, T = 48.4 & CH = 44.8

326' CH auto cycled and read 48.4 units of methane, no increase

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330' BG, T = 48.4 & CH = 44.0

Bartlesville "A" Sand. 330-335. Driller reported sandstone through this interval, but the ouncil cuttings from this footage consisted primarily of a pale green siltstone with a trace of a "marly" calcareous shale. No well-developed sandstone was present in the cuttings that were "bagged".

335' BG, T = 48.8 & CH = 42.8

340' BG, T = 48.4 & CH = 44.0

<u>The "Un-named" Zone.</u> No call. Sample bag 340-350 contained traces of coal and coaly shale along with a gray shale with carbonaceous fragments in part. No shows of free gas were found and no increase in gas units. Figure the zone is more or less just a very thin carbonaceous layer within the shale. Noted only for the record.

343' BG, T = 47.6 & CH = 40.8

348' BG, T = 47.6 & CH = 41.2

352' BG, T = 47.6 & CH = 40.4

360' BG, T = 48.4 & CH = 39.6

362' BG, T = 48.4 & CH = 38.0

367' BG, T = 48.0 & CH = 37.2

370' BG, T = 48.4 & CH = 37.2

380' BG, T = 48.4 & CH = 37.6

384' BG, T = 48.8 & CH = 35.2

Dry Wood, Rowe, and Neutral(s) Coal Zones were not present in the subject well.

"E" (?) Sand. 391-394. Sandstone, white, fine grain, sub-angular to angular, poor to moderately sorted, very well consolidated, firm, poor granular porosity, trace silty with carbonaceous fragments, no show and no increase in gas units

393' BG, T = 48.8 & CH = 34.8

399' BG, T = 48.0 & CH = 34.8

** 400' GT, no open flow and no increase in water.

037-20741

"F" ("G"?) Sand. 410-417. Sandstone, white, somewhat "salt and pepper", fine grain, sub-angular to very angular, poor trace moderately sorted, very well consolidated, poor porosity, micaceous in most, no show, and no increase in gas units. Need to do some further geological work in the area before deciding exactly which "sand" this is. Without the aid of an E-log for correlation, will call it "F" as of report time.

412' BG, T = 47.2 & CH = 30.8

417' BG, T = 47.2 & CH = 31.2

427' BG, T = 46.8 & CH = 27.2

435' BG, T = 47.6 & CH = 27.2

440' BG, T = 47.2 & CH = 26.0

451' BG, T = 46.8 & CH = 21.6

460' BG, T = 47.2 & CH = 20.8

473' BG, T = 47.2 & CH = 16.4

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Riverton Coal Zone. No Call. In the 470-480 sample bag, along with Mississippian conglomerate cuttings, there were coal and coaly shale fragments found, neither exhibited shows of free gas. There was only a very-very slight increase in gas units of 2.80 +/-. This coal and coaly shale could also be just scattered plant debris that was deposited along with the conglomeritic material and not truly the Riverton Coal. At any rate it appears to be only a few inches thick best, based on the percentage of cuttings.

479' BG, T = 48.8 & CH = 16.4

Mississippi (an). 474-486 (RTD). Conglomerate composed of the following: Chert, various shades of cream to light tans, off white to white, light grays, and yellow-orange, tripolitic for the most part, trace fractured and sharp, trace semi-translucent. Shale, aqua marine to pale greens - trace sandy in part, trace dark grays and light beige. Trace pyrite fragments. No increase in gas units.

481' BG, T = 50.0 & CH = 10.4

484' BG, T = 45.6 & CH = 9.2

485' BG, T = 45.2 & CH = 8.0

486' BG, T = 44.8 & CH = 7.2

** 486' GT at total depth, no open flow and no increase in water.

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Brief Summary:

No open flow, "damp" Mulberry

No open flow, "slight increase in water"

Lexington No open flow, "little more increase in water" Summit

No open flow, no apparent increase water Mulky

"Middle" Squirrel No open flow, no increase in water No open flow, no increase in water Mineral No open flow, no increase in water Scammon

No open flow, no increase in water Bartlesville Sand(s) No open flow, no increase in water Mississippi

"0" MCF Total

** Structural comparison of the subject well using the Top of the Lexington Zone:

Flanary #1-24-43-32 Yahnig # 2-9-43-31 733 758

End Report 19 December 2003 Rex R. Ashlock Osborn Energy, L.L.C.

OSBORN ENERGY, L.L.C.

24850 Farley Street Bucyrus, KS 66013 (913) 533-9900 Office (913) 533-9955 Fax DEC 15 2003

MO Oil & Gas Council

10 December 2003

Matthew Parker Missouri Department of Natural Resources Geological Survey and Resource Assessment P.O. Box 250 Rolla, MO 65402-0250

"Matt",

Wanted to thank you again for coming all the way from Rolla to help me with the drilling location surveys. Hope your trip back was all right and you got to feeling better. I have enclosed the OGC-3 and OGC-4 forms with the corrected information you requested. When we get finished drilling, will send you the rest of the required forms and any E-logs we might run.

Sincerely,

Rex R. Ashlock